

10/642,438

=>

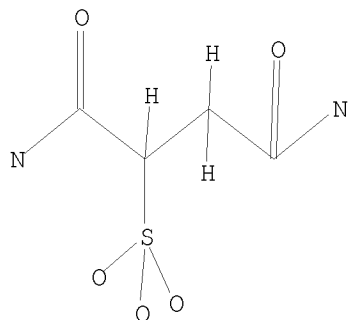
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L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 and py<2002

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 16:36:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 56 TO 504

PROJECTED ANSWERS: 4 TO 200

L2 4 SEA SSS SAM L1

L3 4 L2

22006548 PY<2002

L4 1 L3 AND PY<2002

Toh

08/03/2010

10/923,271

=> d ibib abs hitstr

THE ESTIMATED COST FOR THIS REQUEST IS 5.81 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1985:160051 CAPLUS

DOCUMENT NUMBER: 102:160051

ORIGINAL REFERENCE NO.: 102:25017a,25020a

TITLE: Preparation of surfactants with demonstrated pharmacological activity

AUTHOR(S): Kabachnyi, V. I.; Chernykh, V. P.; Kabachnyi, G. I.; Sopel'nik, E. M.

CORPORATE SOURCE: Khar'k. Farm. Inst., Kharkov, USSR

SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1985), 19(1), 43-6

CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 102:160051

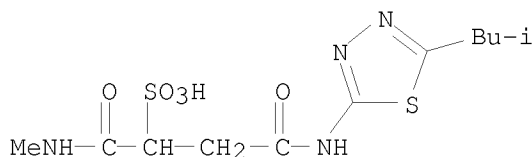
AB Sixteen surfactant sulfosuccinic acid heterylamides were prepared and tested for pharmacol. activity and toxicity in mice. Several of the compds. exhibited anti-inflammatory activity comparable to that of butadione, and several caused lowering of blood sugar levels comparable to those produced by butamide.

IT 95896-27-8P

RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses) (preparation and pharmacol. of)

RN 95896-27-8 CAPLUS

CN 2-Butanesulfonic acid, 1-(methylamino)-4-[[5-(2-methylpropyl)-1,3,4-thiadiazol-2-yl]amino]-1,4-dioxo-, sodium salt (1:1) (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

=> s l1 and py<2003

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

10/923,271

SAMPLE SEARCH INITIATED 16:37:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 56 TO 504
PROJECTED ANSWERS: 4 TO 200

L5 4 SEA SSS SAM L1

L6 4 L5

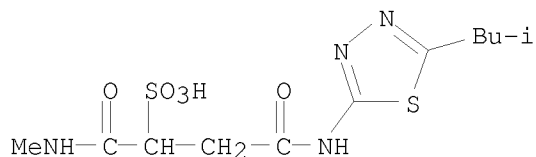
22998460 PY<2003
L7 1 L6 AND PY<2003

=> d ibib abs hitstr
THE ESTIMATED COST FOR THIS REQUEST IS 5.81 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1985:160051 CAPLUS
DOCUMENT NUMBER: 102:160051
ORIGINAL REFERENCE NO.: 102:25017a,25020a
TITLE: Preparation of surfactants with demonstrated
pharmacological activity
AUTHOR(S): Kabachnyi, V. I.; Chernykh, V. P.; Kabachnyi, G. I.;
Sopel'nik, E. M.
CORPORATE SOURCE: Khar'k. Farm. Inst., Kharkov, USSR
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1985),
19(1), 43-6
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 102:160051
AB Sixteen surfactant sulfosuccinic acid heterylamides were prepared and tested
for pharmacol. activity and toxicity in mice. Several of the compds.
exhibited anti-inflammatory activity comparable to that of butadione, and
several caused lowering of blood sugar levels comparable to those produced
by butamide.
IT 95896-27-8P
RL: BAC (Biological activity or effector, except adverse); BPR (Biological
process); BSU (Biological study, unclassified); SPN (Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); PROC (Process); USES (Uses)
(preparation and pharmacol. of)

10/923,271

RN 95896-27-8 CAPLUS
CN 2-Butanesulfonic acid, 1-(methylamino)-4-[[5-(2-methylpropyl)-1,3,4-thiadiazol-2-yl]amino]-1,4-dioxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

=> s l1 sss full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 191.05 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 16:39:34 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 268 TO ITERATE

100.0% PROCESSED 268 ITERATIONS

79 ANSWERS

SEARCH TIME: 00.00.01

L8 79 SEA SSS FUL L1

L9 30 L8

=> s 19 and py<2002

22006548 PY<2002

L10 19 L9 AND PY<2002

=> s 19 and py<2003

22998460 PY<2003

L11 21 L9 AND PY<2003

=> s l11 and (imiadazolium or pyrrolidinium or ammonium)

0 IMIADAZOLIUM

1992 PYRROLIDINIUM

471096 AMMONIUM

10/923,271

L12 2 L11 AND (IMIADAZOLIUM OR PYRROLIDINIUM OR AMMONIUM)

=> d 1-2 ibib abs hitstr

THE ESTIMATED COST FOR THIS REQUEST IS 11.62 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1988:532575 CAPLUS

DOCUMENT NUMBER: 109:132575

ORIGINAL REFERENCE NO.: 109:22061a,22064a

TITLE: Surfactant mixtures as collectors in flotation of nonsulfidic ores

INVENTOR(S): Koester, Rita; Von Rybinski, Wolfgang

PATENT ASSIGNEE(S): Henkel K.-G.a.A., Fed. Rep. Ger.

SOURCE: Ger. Offen., 8 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
DE 3641447	A1	19880609	DE 1986-3641447	19861204 <--
EP 270933	A2	19880615	EP 1987-117456	19871126 <--
EP 270933	A3	19891025		
EP 270933	B1	19920722		
R: AT, DE, ES, FR, GB, SE				
US 4790931	A	19881213	US 1987-127749	19871202 <--
FI 8705335	A	19880605	FI 1987-5335	19871203 <--
FI 83044	B	19910215		
FI 83044	C	19910527		
AU 8782066	A	19880609	AU 1987-82066	19871203 <--
AU 598069	B2	19900614		
CN 87107281	A	19880615	CN 1987-107281	19871203 <--
CN 1012420	B	19910424		
ZA 8709095	A	19880727	ZA 1987-9095	19871203 <--
BR 8706550	A	19880712	BR 1987-6550	19871204 <--
PRIORITY APPLN. INFO.:			DE 1986-3641447	A 19861204

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Mixts. of end group-terminated fatty alc. polyglycol ethers and anionic surfactants are used as a collector in flotation of nonsulfidic ores. Thus, scheelite ore powder (containing WO₃ 0.3, CaO 8.8, and SiO₂ 55.8%) having particle size <200 µm was processed using a 2:1 mixture of an anionic and a nonionic surfactants. The anionic component was Na salt of a sulfosuccinamide derived from tallow amine, and the nonionic component was a fatty alc. glycol Bu ether based on C12-18 fatty alc. containing 7 ethylene oxide groups. The depressant was water glass at 2000 g/ton ore, and the slurry was processed with conditioning for 10 min, agitation rate 2000 L/min, and flotation at pH .apprx.9.5. Conditioning time of the collector was 3 min. The ore concentrate contained WO₃ 13.3, CaO 32.9, and SiO₂ 26.9, vs. 10.6, 8.6, and 34.8% resp. for a conventional collector at .apprx.40% higher addition

IT 116453-32-8D, tallow alkyl derivs. 116692-36-5D, Sodium sulfosuccinamide, tallow amine-derived

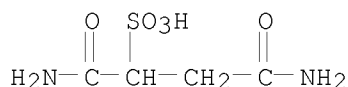
10/923,271

RL: PROC (Process)

(surfactants, anionic, for flotation collectors with end
group-terminated fatty alc. polyglycol ethers)

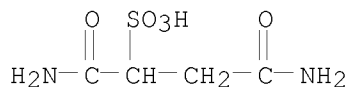
RN 116453-32-8 CAPLUS

CN 2-Butanesulfonic acid, 1,4-diamino-1,4-dioxo- (CA INDEX NAME)



RN 116692-36-5 CAPLUS

CN 2-Butanesulfonic acid, 1,4-diamino-1,4-dioxo-, sodium salt (1:1) (CA
INDEX NAME)



● Na

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1984:439598 CAPLUS

DOCUMENT NUMBER: 101:39598

ORIGINAL REFERENCE NO.: 101:6195a,6198a

TITLE: Synthesis of ionomeric polyurethane latexes

AUTHOR(S): Sukhorukova, A. S.; Grekov, A. P.; Levchenko, N. I.;
Navrotskaya, R. P.

CORPORATE SOURCE: Inst. Khim. Vysokomol. Soedin., Kiev, USSR

SOURCE: Sint. Iskusstv. Lateksy: Poluch. Modif., Mater. Vses.
Lateksnoi Konf., 6th (1982), Meeting Date
1981, 115-20. Editor(s): Tikhomirov, G. S.
TsNIITEnftekhim: Moscow, USSR.
CODEN: 51NMA3

DOCUMENT TYPE: Conference

LANGUAGE: Russian

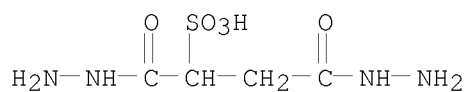
AB Ionomeric urethane rubber latexes were prepared by reaction of
poly(propylene oxide)glycol or poly(tetramethylene oxide)glycol (I) with
tolylene diisocyanate (II), followed by chain extension with alkylmalonic
or thioalkylsuccinic acid dihydrazides. The latexes formed transparent,
elastic films, whose tensile strength and modulus of elasticity increased
with increasing substituted dihydrazide concentration. Alternatively, cationic
polyurethane latexes were prepared by reaction of I with II to form a
prepolymer, which was dissolved in DMF-Me₂CO mixture, followed by chain
extension with aqueous dihydrazide solns. containing tertiary ammonium
groups in the side chain. Anionic polyurethane latexes were prepared by
using hydrophobic organic solvents, e.g., PhMe at the chain extension stage.
The physicomech. properties and uses of the latexes were discussed.

10/923,271

IT 77986-50-6D, ionic derivs.
RL: USES (Uses)
(rubber, latexes)
RN 77986-50-6 CAPLUS
CN Butanedioic acid, sulfo-, 1,4-dihydrazide, monosodium salt, polymer with
1,3-diisocyanatomethylbenzene and α -hydro- ω -hydroxypoly(oxy-
1,4-butanediyl) (9CI) (CA INDEX NAME)

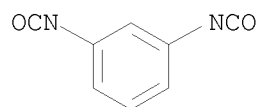
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CRN 66693-73-0
CMF C4 H10 N4 O5 S . Na



CM 2

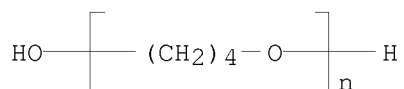
CRN 26471-62-5
CMF C9 H6 N2 O2
CCI IDS



D1-Me

CM 3

CRN 25190-06-1
CMF (C4 H8 O)_n H2 O
CCI PMS



10/923,271

=> s l11 and (imidazolium or pyrrolidinium or ammonium or pyridinium or pyridazinium or pyrimidinium or pyrazinium or pyrazolium or thiazolium or oxazolium)

THE ESTIMATED SEARCH COST FOR FILE 'CAPLUS' IS 23.10 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

11068 IMIDAZOLIUM
1992 PYRROLIDINIUM
471096 AMMONIUM
33569 PYRIDINIUM
359 PYRIDAZINIUM
840 PYRIMIDINIUM
344 PYRAZINIUM
525 PYRAZOLIUM
2839 THIAZOLIUM
464 OXAZOLIUM

L13 2 L11 AND (IMIDAZOLIUM OR PYRROLIDINIUM OR AMMONIUM OR PYRIDINIUM OR PYRIDAZINIUM OR PYRIMIDINIUM OR PYRAZINIUM OR PYRAZOLIUM OR THIAZOLIUM OR OXAZOLIUM)

=> d 1-2 ibib abs hitstr

THE ESTIMATED COST FOR THIS REQUEST IS 11.62 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1988:532575 CAPLUS

DOCUMENT NUMBER: 109:132575

ORIGINAL REFERENCE NO.: 109:22061a,22064a

TITLE: Surfactant mixtures as collectors in flotation of nonsulfidic ores

INVENTOR(S): Koester, Rita; Von Rybinski, Wolfgang

PATENT ASSIGNEE(S): Henkel K.-G.a.A., Fed. Rep. Ger.

SOURCE: Ger. Offen., 8 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
DE 3641447	A1	19880609	DE 1986-3641447	19861204 <--
EP 270933	A2	19880615	EP 1987-117456	19871126 <--
EP 270933	A3	19891025		
EP 270933	B1	19920722		
R: AT, DE, ES, FR, GB, SE				
US 4790931	A	19881213	US 1987-127749	19871202 <--
FI 8705335	A	19880605	FI 1987-5335	19871203 <--
FI 83044	B	19910215		
FI 83044	C	19910527		
AU 8782066	A	19880609	AU 1987-82066	19871203 <--
AU 598069	B2	19900614		
CN 87107281	A	19880615	CN 1987-107281	19871203 <--
CN 1012420	B	19910424		
ZA 8709095	A	19880727	ZA 1987-9095	19871203 <--
BR 8706550	A	19880712	BR 1987-6550	19871204 <--
PRIORITY APPLN. INFO.:			DE 1986-3641447	A 19861204

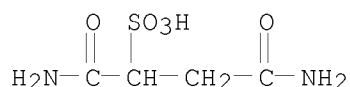
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Mixts. of end group-terminated fatty alc. polyglycol ethers and anionic surfactants are used as a collector in flotation of nonsulfidic ores. Thus, scheelite ore powder (containing WO₃ 0.3, CaO 8.8, and SiO₂ 55.8%) having particle size <200 μm was processed using a 2:1 mixture of an anionic and a nonionic surfactants. The anionic component was Na salt of a sulfosuccinamide derived from tallow amine, and the nonionic component was a fatty alc. glycol Bu ether based on C12-18 fatty alc. containing 7 ethylene oxide groups. The depressant was water glass at 2000 g/ton ore, and the slurry was processed with conditioning for 10 min, agitation rate 2000 L/min, and flotation at pH .apprx.9.5. Conditioning time of the collector was 3 min. The ore concentrate contained WO₃ 13.3, CaO 32.9, and SiO₂ 26.9, vs. 10.6, 8.6, and 34.8% resp. for a conventional collector at .apprx.40% higher addition

IT 116453-32-8D, tallow alkyl derivs. 116692-36-5D, Sodium sulfosuccinamide, tallow amine-derived
 RL: PROC (Process)
 (surfactants, anionic, for flotation collectors with end group-terminated fatty alc. polyglycol ethers)

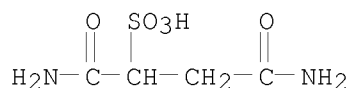
RN 116453-32-8 CAPLUS

CN 2-Butanesulfonic acid, 1,4-diamino-1,4-dioxo- (CA INDEX NAME)



RN 116692-36-5 CAPLUS

CN 2-Butanesulfonic acid, 1,4-diamino-1,4-dioxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1984:439598 CAPLUS

DOCUMENT NUMBER: 101:39598

ORIGINAL REFERENCE NO.: 101:6195a,6198a

TITLE: Synthesis of ionomeric polyurethane latexes

AUTHOR(S): Sukhorukova, A. S.; Grekov, A. P.; Levchenko, N. I.; Navrotskaya, R. P.

CORPORATE SOURCE: Inst. Khim. Vysokomol. Soedin., Kiev, USSR

SOURCE: Sint. Iskusstv. Lateksy: Poluch. Modif., Mater. Vses. Lateksnoi Konf., 6th (1982), Meeting Date

1981, 115-20. Editor(s): Tikhomirov, G. S.
TsNIITNeftekhim: Moscow, USSR.
CODEN: 51NMA3

DOCUMENT TYPE: Conference

LANGUAGE: Russian

AB Ionomeric urethane rubber latexes were prepared by reaction of poly(propylene oxide)glycol or poly(tetramethylene oxide)glycol (I) with tolylene diisocyanate (II), followed by chain extension with alkylmalonic or thioalkylsuccinic acid dihydrazides. The latexes formed transparent, elastic films, whose tensile strength and modulus of elasticity increased with increasing substituted dihydrazide concentration. Alternatively, cationic polyurethane latexes were prepared by reaction of I with II to form a prepolymer, which was dissolved in DMF-Me₂CO mixture, followed by chain extension with aqueous dihydrazide solns. containing tertiary ammonium groups in the side chain. Anionic polyurethane latexes were prepared by using hydrophobic organic solvents, e.g., PhMe at the chain extension stage. The physicomech. properties and uses of the latexes were discussed.

IT 77986-50-6D, ionic derivs.

RL: USES (Uses)
(rubber, latexes)

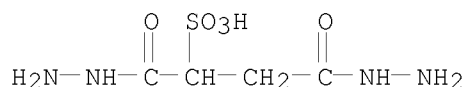
RN 77986-50-6 CAPLUS

CN Butanedioic acid, sulfo-, 1,4-dihydrazide, monosodium salt, polymer with 1,3-diisocyanatomethylbenzene and α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 66693-73-0

CMF C4 H10 N4 O5 S . Na

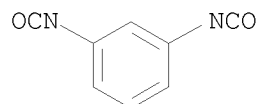


CM 2

CRN 26471-62-5

CMF C9 H6 N2 O2

CCI IDS



D1-Me

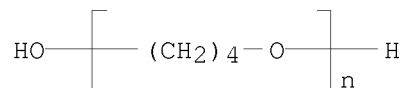
10/923,271

CM 3

CRN 25190-06-1

CMF (C4 H8 O)_n H2 O

CCI PMS



=> s triazolium or imidazolinium or methylpyrrolidinium or isothiazolium or isoxazolium or oxazolum or pyrrolium or thiophenium or phosphonium

THE ESTIMATED SEARCH COST FOR FILE 'CAPLUS' IS 20.79 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

1008 TRIAZOLIUM

1047 IMIDAZOLINIUM

846 METHYLPYRROLIDINIUM

108 ISOTHIAZOLIUM

162 ISOXAZOLIUM

0 OXAAZOLIUM

159 PYRROLIUM

212 THIOPHENIUM

18683 PHOSPHONIUM

L14 22119 TRIAZOLIUM OR IMIDAZOLINIUM OR METHYLPYRROLIDINIUM OR ISOTHIAZOLIUM OR ISOXAZOLIUM OR OXAAZOLIUM OR PYRROLIUM OR THIOPHENIUM OR PHOSPHONIUM

=> s l14 and l11

L15 0 L14 AND L11